

**Algebra 1****Mrs. Arot/Mrs. Britton****Section 7.2: Systems by Substitution #1**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Solve. \*\*SHOW ALL YOUR WORK\*\***

1. 
$$\begin{cases} y = 5 - 4x \\ 3x - 2y = 12 \end{cases}$$

2. 
$$\begin{cases} y = -x + 6 \\ x - 2y = -6 \end{cases}$$

3. 
$$\begin{cases} 3x + 2y = 8 \\ x = 3y + 10 \end{cases}$$

4. 
$$\begin{cases} 3y - x = 4 \\ x = 2y - 6 \end{cases}$$

5. 
$$\begin{cases} 3x - 4y = -15 \\ y = -5x - 2 \end{cases}$$

6. 
$$\begin{cases} 2x + y = -6 \\ y = -3x - 10 \end{cases}$$

7. $\begin{cases} x = -y + 2 \\ 3x + 2y = 5 \end{cases}$	8. $\begin{cases} x = 3 - 3y \\ x - 4y = -11 \end{cases}$
9. $\begin{cases} x - y = -15 \\ x = -y - 5 \end{cases}$	10. $\begin{cases} y = 3x \\ x + y = 8 \end{cases}$

In words explain how to solve the system of equations in number 2.

---

---

---

---

---

---

---

---

---

---